

Amendments to the Specification:

Please replace paragraph [0033] with the following amended paragraph:

[0033] Please refer to Fig. 2. A personal computer system comprising a host 20, an input keyboard 21, a speaker 22 and a display 23 is shown. By way of the personal computer system, a software platform and a timing control method of a hardware-simulating program implemented thereon according to the present invention are exemplified. The instruction set executed when the microcontroller controls the peripheral devices, e.g. the input keyboard ~~24~~ 23, speaker 22 and display ~~23~~ 21, is simulated with a hardware-simulating program, whose executive codes are derived from source codes by an assembler and a linker applicable to the microcontroller to be simulated.